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Sheet 2 of 3 Form PTO-1449 Docket Number (Optional) **Application Number** 3868.2US N t Yet Assigned INFORMATION DISCLOSURE CITATION **Applicant** Orr et al. IN AN APPLICATION (Use several sheets if necessary) Filing Date September 8, 2003 Group Art Unit Unknown **U.S. PATENT DOCUMENTS** EXAMINER INITIAL DOCUMENT NUMBER FILING DATE DATE SUBCLASS NAME CLASS IF APPROPRIATE 5,752,509 05/1998 Lachman et al. 5,782,774 07/1998 **Shmulewitz** 5,836,300 11/1998 Mault 6,003,511 12/1999 Fukunaga et al. **FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER** DATE COUNTRY CLASS SUBCLASS YES NO **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.) de Abreu, M. Gama, et al., Reliability of the Partial CO2 Rebreathing Technique for Measurement of Cardiac Output, Proceedings RC IEEE-EMBS & 14th BMESI - 1995 (3 pages). de Abreu, Marcel Gama, et al., Partial carbon dioxide breathing: A reliable technique for noninvasive measurement of nonshunted pulmonary capillary blood flow, Crit Care Med 1997, Vol. 25, No. 4, pages 675-83. Osterlund, B., et al., A new method of using gas exchange measurements for the noninvasive determination of cardiac output: clinical experiences in adults following cardiac surgery, Acta Anaesthesiologica Scandinavica 39 (1995), pages 727-32. Gedeon, A., et al., Noninvasive Cardiac Output Determined with a New Method Based on Gas Exchange Measurements and Carbon Dioxide Rebreathing: A Study in Animals/Pigs, Journal of Clinical Monitoring, Vol. 8, No. 4, October 1992, pages 267-78. Gedeon, A., et al., A new method for noninvasive bedside determination of pulmonary blood flow. Medical & Biological Engineering & Computing, July 1980, pages 411-18. de Abreu, Marcelo Gama, et al., Measurement of Pulmonary Capillary Blood Flow for Trendina Mixed Venous Blood Oxygen Saturation and Oxygen Delivery, 1 page. **EXAMINER DATE CONSIDERED** Nasser EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Sheet 1 of 3 Form PTO-1449 Docket Number (Optional) **Application Number** 3868.2US N t Yet Assigned INFORMATION DISCLOSURE CITATION Applicant IN AN APPLICATION Orr et al. (Use several sheets if necessary) Filing Date September 8, 2003 Group Art Unit Unkn wri **U.S. PATENT DOCUMENTS** EXAMINER INITIAL DOCUMENT FILING DATE IF APPROPRIATE DATE NAME CLASS SUBCLASS 3,910,261 10/1975 Ragsdale et al. 4,192,301 03/1980 Hardwick 4,239,038 12/1980 **Holmes** 4,265,235 05/1981 Fukunaga et al. 4,941,476 07/1990 Fisher 4,947,860 08/1990 Fisher 5,299,579 04/1994 Gedeon et al. 5,642,726 07/1997 Owens et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO m WO 98/12963 04/1998 PCT **OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.) Article entitled "Noninvasive Measurement of Cardiac Output Using Partial CO2 Rebreathing" by John M. Capek and Rob J. Roy (pp. 653-661)- Printed in IEEE Transactions On Biomedical Engineering, Vol. 35, No. 9 - September 1988 Article entitled "Noninvasive Measurement of Cardiac Output Using Partial Carbon-Dioxide Rebreathing" by John Michael Capek (title, introductory pages and pp. 127 - 132) - Printed by UMI Dissertation Services - December 1988 Article entitled "Noninvasive Pulmonary Blood Flow for Optimal Peep" by A. Gedeon, ICOR AB, Ulvsundavägen 178 B, S-161 30 Bromma, Sweden (pages 49-58). Article entitled "Non-invasive pulmonary blood flow measurement by means of CO2 analysis of expiratory gases" by Bosman, R.J., et al., Intensive Care Med (1991) 17:98-102. Abstract FC 11 of article entitled "a Non-Invasive Technique for Measurement of Lung Perfusion" by H. Blomquist et al., published in "Monitoring, Computer, Instrumentation", Intensive Care Medicine (1986) 12:172. Sackner, Marvin A., Measurement of cardiac output by alveolar gas exchange, Handbook of Physiology ~ The Respiratory System IV, Chapter 13: Pulmonary Capillary Blood Flow, pages 233-55. **EXAMINER DATE CONSIDERED** Nasse EXAMINER: Initial if citati in considered, whether ir not citati in is in conformance with MPEP § 609; Draw lin through citati in if not in conformance and not considered. Include copy of this form with n xt communication to th applicant.

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